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Sequence
//gno_6/prodata/2/jau/Ka_nowin prop US_08-974-02246 | 1117 SE Coulled | 2 E-103 LBO |
//gno_6/prodata/2/jau/Ka_nowin prop US_08-974-02246 | 1117 SE Coulled | 2 E-103 LBO |
//gno_6/prodata/2/jau/Ka_nowin prop US_08-945-4454 | 1117 SE Coulled | 2 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_08-795-4458-44 | 1117 SE Coulled | 2 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_08-795-4458-44 | 1117 SE Coulled | 2 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_UN_94-24 | 1117 SE Coulled | 2 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_UN_94-24 | 1117 SE Coulled | 4 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_UN_94-24 | 1117 SE Coulled | 4 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_UN_94-24 | 1117 SE Coulled | 4 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_UN_94-24 | 1117 SE Coulled | 4 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_UN_94-24 | 1117 SE Coulled | 4 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_UN_94-34 | 1117 SE Coulled | 4 E-103 LBO |
//gno_6/prodata/2/jau/KB_nowin prop US_UN_94-34 | 1117 SE Coulled | 4 SE Coulled |
//gno_6/prodata/2/jau/KB_nowin prop US_UN_94-34 | 1117 SE Coulled |
//gno_6/prodata/2/jau/RB_nowin prop US_UN_94-34 | 1117 SE Coull
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-TRANS-human40.cdi -LISI-45 -DOCALIGN-200 -THK_BCORE pct
-THR MAX-100 -THR MIN-0 -ALICN-15 -MODE-LOCAL -OUTEMIT-pfs
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APPLICANT: Lacoy, David L.
APPLICANT: Calrose, Frank J.
APPLICANT: Chang, Ming Shi
TILLE OF NAVENTION: SELECTROPHER SHEET SHEET
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IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                        Seq_name. _ 1: ______; ; _ 1: 1, ____; ...
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MOLECULE TYPE: protein
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CITY: Thousand Gaks
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FILING DATE.
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TOPOLOGY, linear
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168 CTTGTACAATGACTGTGTGAGGGGGGGGAATAGGAATACGGAGACTGACAGGGGGT 217
                                                                                                                                                                      268 AGCTGCTCCAAATGCCGAAAGGAAATGGGTCAGGTGGAGATCTCTTCTTG 317
                                                                                                                                                                                                                                                           368 ALLATTGGAGTGAAAACCTTTTCCAGTGCTTCAATTGCAGCCTCTGCCTC 417
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                                                                                                       67 rLcuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC
                                                                                                                                                 3.18 CACAGIGIACOSOSACACACOSTISTESTAS TECASAAAAAAACOAFACOSI
SOFTWARE: Patentin Pelease #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 115/08/795,445A
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Patont No. 6284485
GENFRAL INFORMATION.
APPLICANT: Boyle, Willaim J.
APPLICANT: Calzone, Prank J.
APPLICANT: Calzone, Prank J.
APPLICANT: Calzone, Prank J.
APPLICANT: Clang, Ming-Shi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: OSTEOPROTECIERIN NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8: Amgen Inc.
1840 Dehavilland Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 08,577,788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Winter, Robert B.
REFERENCE (DECKET NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 1840 CONTROL ONES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    seq_documentation_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           91320-1789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILLING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY. STATE:
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| 168 | 02 | 163 | 164 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      268 AGPTGPPPPAAATGPPGAAAGGAAATGGGTGGAGAGATCTCTTG 317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 318 GACAGIGGAGGGGAAGAGGGTGTGTGTGTGCAAGAAGAACCAGTACCGGC 367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              368 ATTATRGGASTGAAAAAOOTTTTOOAGTGGGTTGGAATTGGAGOOTGG 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            151 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         468 CRGCCATGCAGGTTTCTTTGTAAGAGAAAACGAGTGTGTCTCTGTAGTA 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              518 ACTOTANGAAAAGCTOCTOSAGTOCAAAGTTOTOCOTAACCOCOGAAGTGAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GATAGFGTGTGTCCCCAAGGAAATAIAITC 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                118 CACCCTCAAAAIAATICGATITGCTGTACCAAGGCCACAAAGGAACCIA 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MetGlyLeuSerThrValProAspLeuLeuLeuFroLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  34 cuGlyAspArgGluLysArgAspScrValCysProGlnGlyLySfyrile 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           67 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 AEGGARYTYTOVARRATARYTYGARYTYGYTGYTYRYTYGYEGYTGGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Percent Identity: 94.787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Align seg 1/1 to: US-08-795-445A-46 from: 1 to: 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 51 GCTGTTGGTGGGAATATACCCCTCAGGGGTTATTGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             568 AATGITAAGGGGACTGAGGACTCAGGCACACA 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        201 AsnValLysGlyThrGluAspSerGlyThrThr 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            alignment_block:
US-09-525-998A-11 x US-08-795-445A-46
                                                                                                           280 amino acids
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           94.787
                                                                                                                                                                                                                  single
                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Quality: 1117.50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5.588
                                                                                                                                                      amino acid
                                                                                                                                                                                                                                                             linear
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                                                                                                                                                            TYPE: amino a STRANDEDNESS:
                                                                                                                                                                                                                                                                  TOPOLOGY:
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                                                                                                           LENGTH:
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Senj_Maller / Agis_6/predata/2/laa/6H_COMM per 105-108-795 447A-45

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168 CIIGIACAAIGACIGICCAGOOOGGGAAAGGAIACGGACIGCAGGGAGI 217
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                118 CACCCTCAAAATAATTGGATTTGTTGTAGGAAGTGCCAGAAGGAACCTA 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  218 GTCAGAGGGGCTCCTTCACCGCTTCAGAAAACCACCTCAGACACTGCCTC 267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 34 euGlyAspArqGluLypArqAppSerValCysProcleGlyTysTyrTl= 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 ATGGGGGTOTOTOTOGGGGGGGGGGGGGGGGGGGGGGA SQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         67 rLeufyrAsnAspCysProGlyProClyClaAspThrAspCysArgGluC 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Percent Identity: 94.787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Aliqn seq 1/1 to: US-08-795-447A-46 from: 1 to: 280
                                                                                                                                                                                                                                                                                                                                                                                                                                Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/795,447A
                                                                                                                                    APPLICANT: Chang, Ming-Shi
LITLE OF INVENTION: Ostcoprotegerin
NUMBER OF SEQUENCES: 53
                 Sequence 46, Application US/08795447A Patent No. 5284728
                                                                                                                                                                                                                                                                                                                                                                                                          OPERALLING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         alignment_block:
US-09-525-998A-11 x US-08 795 447A 46
                                                                                                                                                                                                                          E: Amgen Inc.
One Amgen Center Drive
                                                                                                                                                                                                                                                                                                                                                                                         IBM PC compatible
                                                                           APPLICANT: Boyle, William J.
APPLICANT: Larey, David L.
APPLICANT: Calcone, Frank T
APPLICANT: Chang, Ming-Shi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  46:
                                                                                                                                                                                                                                                                                                                                                                   Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Winter, Robert B.
PEFEFENCE/COMMET NUMBER
INFORMATION FOR SEQ ID NO: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           280 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURPENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ratio: 5.588
Percent Similarity: 94.787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Quality: 1117.50
                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                              STREET: One Amgen Ce
CITY: Thousand Oaks
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                     California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
seq_documentation_block:
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                                                        GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                        USA
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                                                                                                                                                                                                                          ADDRESSEE:
                                                                                                                                                                                                                                                                                   STATE: CA
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117 STLEVILOR SERVICE THE HITTER HER HER STREET HER STREET HER SERVICE TO STREET HER SERVICE STREET HER SERVICE SERVIC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     368 ATTAITGGAGTGAAAAGCTITTGGAGTGGTTGAATTGTAGTTTTGGCTG 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         518 ACTGIAAGAAAAGCIGGAGIGCAAGAAGIIGIGGGIAGGGAAGAAIGAG 567
                                                                                                                                                                                                 318 CACAGIGGACCOGGACGIGIGIGGGCIGCAGGAAGAACACAGIACGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ces_name. This is a para became peping on-374 186-46
268 AGCIGCITCAAAIGCCGAAAAGGAAATGGCIGGGGGGGAGAGAICFTIG
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JURRENT APPLICATION DAIA:
AFFLICATI N NUMBER: 08/06/074/186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      201 AsnValtysGlyDirdluAspSerGlyTh Th. 211
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APPLICANT: Lacey, David L.
APPLICANT: Calcone, Brank J.
APPLICANT: Calcone, Frank J.
APPLICANT: Chang, Ming-Shi
HILL OF INVENTION: OSTBORGOLIGERIN
NUMBER OF SEQUINITS: 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOI SM/SOI-5d
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1840 Debayilland Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 46, Application USZUB974186
Patent No. 6284740
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NAME: WITHER, ROBERT B.
PRESENCY, YOUNGER B.
PRESENCY, AND REMERS.
INFORMATION FOR SEQ. 10 Not. 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              280 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TOPOLGGY: Linear
; MOLEGULE TYPE: protein
US-08-974:186 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 1840 Dehavil
CITY: Housand Oaks
SIALE: Califorer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      THOUT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGIH:
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GATAGTGTGTGCCCAAGGAAAATATATC 117
                                                                                                                                                                                                                                                                                                                                                                                                                                              118 CACCCTCAAAATAGATTGGTGTGCAAGTGCCACAAAGGAACCTA 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          268 AGCTGCTCCAAATGCCGAAAGGAAATGGGTCAGGTGGAGATCTTTTTTG 317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                101 SerCysSerLysCysArgLysGluMetGlyGlnValGluIleSerSerCy 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   318 CACAGTGGAFFGGGAFAFGTGTGTGFGFGGAAGAAGGAGTAGTGGGGG 367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 368 ATTATIGGAGIGAAAAACTITICCAGIGCTICAAFIGCAGCCICTGCCTC 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      418 ANTIGGGACCGTGCACCTGCCAGGAGAACAGAACACCGTGTGCAC 467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   468 CTGCCATGCAGGTTTTCTTAAGAGAAAAGGAGTGTGTCTCCTGTAGTA 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  167 rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA 184
                                                                                                                                                                                                                                                                                                                                                                                  34 euGlyAspArgGluLysArgAspSerValCysProGlnGlyLysTyrIle 50
                                                                                                                                                                                                1 ATGGGCCTROTOGAGGTGGCTGAGGTGCTGCTGCCACTGGTGCTCCTGCA 50
                                                                                                                                                                                                                                                                                                        1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Seq_name (hgst_k/prodata/2) saa/kk_nowk p.p. us un ?95-4458-46
                                                                                                                                                                                                                          Align sey 1/7 to: US-08-974-186-46 from: 1 tc: 289
                                                                                                                                                                                                                                                                                 51 GCTGTTGGTGGGAATATACCCCTCAGGGGTTATTGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         568 AATGTTAAGGGGACTGAGGGGGAGGGAGA 600
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 46, Application HS/08/95446B Patent No. 6288032 GENERAL INFORMATION: APPLICANT: BAPPLICANT: BAPPLICANT:
                                                                                                 aliqument_block:
US-09-525-998A-11 x US-08 974 186-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               seg_documentation_block:
                                                    Percent Similarity.
                                                                                                                                                                                                                                                                                                                                                               88
alignment_scores
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OSTEOPROTEGERIN

APPLICANT: Calzone, Frank J. APPLICANT: Chang, Ming-Shi

APPLICANT: Chang, M

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318 CACAST 634A 204534A CACATST 5TOTO 6A 24A AAAAA AAATA CACAST 467
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              268 AGCTGCTCCAAATGCCGAAAAGAAATGGGTTAAGGTGGAGATCTCTTG 317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GATAGTGTGTGTCCCAAGGAAATATATC 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 118 CACCCICAAAAIAALFGGATIIGCIGTACCAAGGCACAAAGGAAGGIA 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51 GCTGTTGGTGGGAATATACCCCTCAGGGGTTATTGGA......87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34 euGlyAspArgGluLysArgAspSerValCysProGlnGlyLysTyrlle 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   51 HisproGlnAsnAsnSerlleCysCysThrLysCysHisLysGlythrTy 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            67 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 ATGGGCCTCTCCACCGTGCCTGCTGCTGCTGCCACTGGTGCTCCTGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Percent Identity, 94 787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Align Seg 1/1 to: HS-08-795-446B-46 from: 1 to: 280
                                                                                                                                                                                                                              Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps:
                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,446B
                                                                                                                                                                                         COMPUTER: IRM PC compatible OPERATING SYSTEM: Pr-poS/MS-pos
                                                     STREET: 1840 Dehavilland Drive CITY: Thousand Oaks
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-525-998A-11 x US-08-795-446B-46
                                                                                                                                                                                                                                                                                                                                              08/577,788
                                                                                                                                                                         Floppy disk
                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                NAME: Winter, Robert B. REFERENCE/POCKET NUMBER: INFORMATION FOR SEQ ID NO: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           280 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5.588
                                       Amgen Inc.
                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; MOLECULE TYPE: protein US-08-795-446B-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Quality: 1117.50
Ratio: 5.588
                 CORRESPONDENCE ADDRESS:
                                                                                                                                                   COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
NUMBER OF SEQUENCES:
                                                                                               California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                             COUNTRY: USA
ZIP: 91320-1789
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Percent Similarity.
                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                      FILING DATE:
                                       ADDRESSEE:
                                                                                                                                                                                                                              SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 alignment_scores:
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                                                                                           STATE:
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Align seg 1/7 to, 88 08 050 3198 25 from, 1 to, 455

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468 CIGCCAIGCAGGITINITINIAAGAGAAAAANGAAGAGAGAGAININNIAGATA 517
                                                                                                                                                                                                    117 sThrValAspArgAspThrValCysClyCysArglysAsnClnTyrArgH 134
                                  368 ATTATTGGAGIGAAAANNITITONAGIGOTICAATTGLAGOCICIGCGTC 417
                                                                                                         seq_name: //ngn?_f/ptndata/?/ia1/5A_?^MB pep BS 89 050-313B-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT M Feldmann, P W. Gray,
APPLICANT M.J.C. Turner, F.M Breenan
TITLE OF INVENTION: Modified human TNFalpha (Tumor
TITLE OF INVENTION: Necrosis Factor alpha) Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Identify: 94 787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Pelease #1 0, version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length:
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                                                                                                                                                                                                                                                                                                                               568 AATGTTAAGGGCACTGAGGACTGAGGCACCACA 600
                                                                                                                                                                                                                                                                                                                                              201 AsnValL/SG1\fractionAspSer()\fraction 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 33,208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: TIS ZOR ZOSO, 319B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PC-D05/MS-D0S
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 25, Application HS/08050319B
Patent No. 5633145
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US-09-525-998A-11 x US-08-050-319B-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (415) 617-8994
TELEFAX: (415) 327-3231
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARATERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Reed & Robbins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         635 Bryant Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-May-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Robbins, Roberta L.
REGISTRATION NUMBER: 33,2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 455 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER PEADABLE FORM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                California
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                                                                                                                                                                                                                                                                                                                                                                                                                                             seq_documentation_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Percent Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  94301
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-050-319B-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      alignment_scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COINTRY.
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TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF LIVER OF INVENTION AND THEIR USE NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             84 ysGluSerClySerPheThrAlaSerGluAsnHisLeuArgHisCysLen 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               268 AGTIGITOTAAATGOOGAAAALGGGTOAGGIGGAGAICITOTIG 317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      318 CACAGIGGAPPROPARATORIGIGIGG (GCAGGAAQAAQAGIAGGGG 367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        368 ATTATIGGAGIGAAAACCIITICCAGIGGITCAAIIGCAGCCICIGGCTC 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     468 CTGCCA1GCAGGITTCT11CTAAGAGAAAACGAGIGIGIGICICCTGIAGIA 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   167 rCysHisAlaGl;Pherbele.ArgGluAcGClu3;3ValSel7;SSelA 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       118 CACCCTCANAALAATICGATITGCTGIACCAAGTSCCACAAAGGAAGGIA 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         168 CTTCTACAATGACTGTGCAGGCCCGGGCAGGATACGGAGTGCAGGGAGT 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       117 sThrValAspArgAspThrValCysSlySysArgLysAshGlnTyrArgH 134
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                                                                                                                                                                                                                                                                                                                                                                                                               .....GAIAGTGTGTGTCCCCAAAGGAAAAIAIAIG 117
                                                                                                                                                                                                                                                        34 euGiyAspArgGiurysArgAspservalCysProCrnGlytysTyrLLe 50
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1 AIGGGCCICICACCGIGCCIGACCIGCIGCCACIGGIGCICCIGGA 50
                                                     1 MetGlyLeLSorThrValFroAspLeuLeuRroLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               218 313A3A4533A47 3113A5453 11-A5AAAAA3A2 312A3AA3A33A3.
                                                                                                                                                                                                  51 GCTGTTGCTSCSAATATACCGTTCAGGGGTTATTGGA.......
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VARPULOMEEV, Eugene
BATKIN, Michael
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168 CTTCTACAATGACTGFCCAGGCCGGGAAGATATACGGAATGATGT 217
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             67 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Percent Identity: 94.787
                                                                            SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,668
FILING DATE: 12-OCT-1994
CLASSIFICATION 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Align seg 1/1 to: US-OR-321-668-2 from: 1 to: 455
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                                                                                                                                                                                                                                                                               REGISTRATION NUMBER: 25,618
PEFERENCE/DOCKET NUMBER: WALLACH-13
                   MEDIUM TYPE: Floppy disk
CCMPUTER: IRM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                               APPLICATION NUMBER 11.107268
FILING DATE: 12-OCT-1993
ATTCHNEY/AGENT INFORMATION NAME: BROWDY, ROGER L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               alignment_block.
US-09-525-998A-!1 x US-08-321-668-2
                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3°28
                                                                                                                                                                                                                                                                                                                                                                                     TELEX: 248633
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 455 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        / MOLECULE TYPE: protein
US-08-321-668-2
                                                                                                                                                                              PRICE APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouality: 1117 5.0
COMPUTER READABLE FORM:
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TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDLING OF TITLE OF INVENTION: THE TWF BECEPTORS, THEIR PREPARATION AND THEIR USE
                                                                                                                                                                                                                             151 AsnclyThrValHisheuSerCysGlnGlunysCinAsnThrValCysth 167
                                                                                                                                  468 CTGCCATGCAGGFFFCTTFTTAAGAGAAAAGGAGFGFGFGFCGTGFAGTA 517
                                                                                                                                                    518 APPRIMAGAAAAGPPPGGAGTGCACGAAGTFGPPTGPPTGPPAGAFTGAG 567
                                                                           seg_name: /cgn2_6/ptodata/2/jaa/5A_COMH.pep:US-08-837-941-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30
CURFENT AFFLIGATION (ATA.
APPLICATION NUMBER: US/08/837,941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E. BROWDY AND NEIMARK
419 Seventh Street, N.W., Suite 300
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                                                                                                                                                                                                                                                                                    558 AATISTTAAGGGAACTGAGGACTCAGGAAAAAAAAA
                                                                                                                                                                                                                                                                                                        201 AsnValLysClyThrGluAspSerGlyThrThr 211
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N: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 2, Application US/08837941
Patent No. 5766917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: WALLACH, David
APPLICANT: BRAKEBUSCH, Cord
APPLICANT: WAFFOLOMERY, Eugene
APPLICANT: BATKIN, Michael
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INFORMATION FOR SEQ ID NO: 2:
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Ratio: 5 588
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EXPRESSION OF THE RECOMBINANT TUMOR NECROSIS FACTOR BINDING PROTEIN I (TBP-I)
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                                                                                                                                                                                                                                                                                                                       168 CTIGTACAATGACTGTGTGGGGGGGGGGGATAGGGAGTGCAGGGAGT 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                           218 GIGAGAGGGGTGCTTCACGCTICASAAAACCACACAGACACTGCTC 267
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     468 CHGCCATGCAGGTTTCTTAGTAAAAAGGAGTGTGTGTGTGTAGTA 517
                                                                                                                   1 AIRGGGGTGTGCAGCGTGGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGGA 50
                                                                                                                                   34 euGlyAspArgClulysArgAspSerValCysProClnClyLysTyrlle 50
                                                                                                                                                                                                                                                                                                                                         seq_name: //gnfl//pthdata/2/iaa/5H_remm pep 49 09-125-016-2
 Percent Identity: 94.787
                                                                                  Align seg 1/1 to. US 08-837 941-2 from. 1 to: 455
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/08126016
Patent No. 5811261
                                alignment_block:
US-09-525-998A-11 x US-08-837-941-2
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ENGELMANN, HARTMUT
BRAKERUSCH, CORD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADERKA, DAN
Percent Similarity: 94,787
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TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           seq_documentation.block.
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APPLICANT:
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APPLICANT:
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218 GIGAGAGGGG (GCITPACGGGIS CAGAAAACAGALTA JATATIGGGIG 267
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CURRENI APPLATION DATA:
APPLICATION DATA: 82/08/126.016
FILING DATE: 24 SEP-1593
CLASSIFICATION: 435
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                                                                                                                                    419 Seventh Street, N.W., Swile ' "
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COMPUTER: ISM PC COMPATIBLE
OPERATINS SYSTEM: PS 19/5/2MS-19/8
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TELETAX: 24853
                                                                                              Browdy and Neimark
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INPORATION POR SEQUENCE 2: SEQUENCE CHARACTERISTES: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 1783: 
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ATTORNEY/AGENT INFORMATION:
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Ratio: 5.588
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PRIOR APPLICATION DATA:
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US-08-126-016-2
NUMBER OF GLOUBECESS. 2
CORRESPONDENCE ADDRESS:
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                                                                                              ADDRESSEE:
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101 SerCysSorLysCysArgLysCluMetGlyGlaValGlulleSerSerCy 117
                                             318 CACACHGGAFFGGGAFAFFGFGFGFGFGFGGAAGAAGGAGFAGFGGGG 367
                                                                                                                                  417 ATTATTGGAGIGAAAACTITTGCAGIGCFFCAATTGCAGCCFCTGCCTG 417
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APPLICANT: M.Feldmann, P.W. Gray,
APPLICANT: M.J.C. Turner, F.M Brennan
TITLE OF INVENTION: Modified human TNFalpha (Tumor
TITLE OF INVENTION: Necrosis Factor alpha) Receptor
NUMBER OF SEQUENCES: 57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  568 AATGITTAAGGGGACTTGAGGACTTCAGGCACACA 600
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APPLICATION NUMBER: US/08/050,319
FILING DATE: 10-May-1993
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APPLICATION NUMBER: US/08/465,982
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Patent No. 5863786
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PPPERPROFETENMEER: 517
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SEQUENCE CHARACTERISTICS:
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635 Bryant Street.
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(415) 327-3231
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MEDIUM LYPE: Floppy disk
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STATE: California
COUNTRY: USA
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STREET: 63
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aliqnment_scores

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GATAGTGTGTGCCCCAAGGAAATATATC 117
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          318 CACAGTGGATCGGGACACCGTGTGTGGGTTGCAGGAAGAACCAGTACCGGC 367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 368 AITAIIGGAGIGAAAACUTTIOCAGIGCITCAATIGCAGCCICIGCCIC 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 468 CIGCCATGCAGGTFTCTFTCTAAGAGAAAAAACGAGTGTGTCTCTGTAGTA 517
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             167 rCysHisAladlyPhePheLeuArgGluAshGluCysVaiSerCysSerA 184
                                                                                                                                                                                                                                                                                                                                    34 euGlyAspArqGluLysArqAspSerValCysProGluGlyLysTyrlle 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 51 HISProGloAsnAsnSerIleCysCysThrLysCysHisLysGlyThrTy 67
                                                                                                                                                                                                                 1 ATGGGGGTCTCPACCPPGCTGGTTGCTGCTGCCACPGGTGCTGTGTGTGTGT
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Patent No. 6153402
GENERAL INFORMATION
APPLICANT: Yu, Guo-Lianq
APPLICANT: Ni, Jian
APPLICANT: Dixit, Vishva
APPLICANT: Gentz, Reiner L.
APPLICANT: Dillon, Patrick J.
IIILE OF INVENTION: Death Domain Containing Receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                         218 OTGASASCOSTOSTISASASANAASCOASTISASASASA
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                                                                                                                                                                                                                                          Percent Identity: 94.787
                                                                                                                                                                   Align seq 1/1 to: 119-08-465-982-25 from: 1 to: 455
     Length:
                           Gaps:
                                                                                                                                                                                                                                                                                                              51 GCTGTTGGTGGGAAATATACCCCTCAGGGGTTTATTGA
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US-09-525-998A-11 x HS-08-465-982-25
                      Ratio: 5.588
Percent Similarity: 94.787
Quality: 1117.50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   168 CITICIACAAIGACICICCAGGGCGGGGGGGGATACGGACTGCAGGGAGT 217
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                                        Sterne, Kessler, Geldstein & Fex. P.L.I.C.
1100 New York Ave., NW, Suite 600
                                                                                                                                                                                                            COMPUTER: 1BM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.30
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FILING DATE: HEREWITH
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US-09-525 998A 11 x US-08 815 469-5
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REGISIRATION NUMBER: 36,688
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
THILPAX: 202-371, 2514
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FILING DATE: 06-FEB-1997
PRICE APPLICATION DATA:
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                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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ATTORNEY/AGENT INFORMATION:
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Ratio: 5,588
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                    CORRESPONDENCE ADDRESS:
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NUMBER OF SECREMOPS.
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                                                                                   CITY: Washington
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                                        ADDRESSEE:
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                                                                                     268 ACCTGCTCCAAATGGCGAAAGGAAATGGGTCAGGTGGAGATGTGTTGTTG 417
                                                                                                         118 CACACTIGGACTOTAGACTOTGTGGGCTGTAGGAAGAATTASTACTOSTC 367
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APPLICANI: YU, ODE-LLANG
APPLICANI: GENIZ, NUTNER
TITLE OF INVENTION: TIMOR NECROSIS FACTOR RECEPTOR 5
NUMBER OF SEQUENCES: 26
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"OMBUTER: IEM PC COMPATIBLE
OPERATING SYSTEM: PC-GAS/MS-DGS
SOFTWARE: Patentin Release #1.0, Version #1.30
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$410 KET WEST AVENUE
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(301) 309-8512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: BROOKES, ANDERS A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGIH: 455 amino acids
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CLASSIFICATION: 435
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CITY: ROCKVILLE
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: Sequence 5, Apriliation_US/03086483A
: Patent_No. 6214580
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) MOLECULE TYPE: protein US-09-006-353A-3
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TITLE OF INVENTION: HUMAN THMOR NECESTS FACTOR RECEPTOR TRIO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 APPROGRAMMENTARMENTARMENTAMINGERGCCACTEGIQETCCTEGA 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       51 GCTGTTGGTGGGAA1A1ACCCCTCAGGGGTTATTGGA.......
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Percent Identity: 93.839
                                                                                                                                                                                                                                Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Align seg 1/1 to: US-09-086-483A-5 from: 1 to: 453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps:
                                                                                                                                                                                                                                        CUSENT APPLICATION DATA:
APPLICATION NUMBER: US/09/086,483A
FILING DATE: May 29-98
                                                 5: HUMAN GENOME SCIENCES,
9410 KEY WEST AVENUE
                                                                                                                                                                                           COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: PUZUSU,936
FILING DATE: MAY-30-97
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/069,112
FILING DATE: Dec-9-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: PF379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-525-998A-11 x US-09-086-483A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     36,373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (301) 309-8504
                                                                                                                                                                             Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY, AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: BROOKES, ANDERS A. REGISTRATION NUMBER 36,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 453 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Percent Similarity: 93.839
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                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Quality: 1087.50
             NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 35
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                                                                                     ROCKV11.LE
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                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ratio:
                                                                                                                        Sn
                                                                                                                                        20850
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                                                   ADDRESSEE:
                                                                                                      STATE: MD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          alignment_scores:
                                                                                                                                                                                                                                SOFTWARE:
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                                                                                                                        COUNT RY:
                                                                    STREET:
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115 sThrValAspArgAspThrValCysClyCysArgCysAscInTyrArgH 132
                                                                                                                                                                                                                                                         368 ATTATIGGAGIGAAAAGGIITIGGAGIGGIIGAAIIGGAGGGIG1GGGGG 417
                                                                                                                                                                                                                                                                                                                                                418 AATGGGACCGGCACC CTICC (GCGACGAACAACAACAACAACACACACGGGAC 467
                                                                                                                                                                                                                                                                                                                                                                                                                                     468 CIGECA ECCAGETECTITIC FAAGAGAAAAGGAGTGTGTGTGTGTGTAGTA 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                       518 ACTGIAAGAAAAGCCIGGAGIGGAAGIGGAAGIGGGCCIACCCGAGAIFGAG 567
218 GIGAGGGGGCCCTICACCCCTCAGAAAACACACCAGACACGCCTC 267
                                                                                    268 AGCTGCTCCAAATGCCGAAAGGAAATGGGTGAGGTGGAGATCTCTTCTTG 317
                                                                                                                                                                       318 CAMACHICGAPOCGGAPACHGTGTGCTGCAGGAAGAACAGTAGGGGAA7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seq_name. Ogn2_(Aprodata 2 Taa, MA_TMA pop 28 GA LFC APA AB
                                                                                                                                                                                              APPLICANI: M.Feldmann, P.W. Gray,
APPLICANI: M.J.C. Turner, F.M Brennan
TITLE OF INVENTION: Modified human TNFalpha (Tumor
TITLE OF INVENTION: Necrosis Factor alpha) Receptor
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Pelease #1.0, version #1.25
CURRENT APPLICATION DATA: APPLICATION NUMBER: 18/28/258 31944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              568 AAIGITTAAGGGAATTGAGGAAGGGAGAA 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              199 AsnValLysGlyThrSluAspSerGlyThrThr 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: 1BM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 48, Application US/08050319B Patent No. 5633145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Fildin, P.B. 14.1.1. I
REGISTRATION NUMBER: 33,208
REFERENCE/DOCKET NUMBER: 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 48: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Reed & Robbins
STREET: 635 Bryant Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (415) 617-8999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (415) 327-3231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              199 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      94301
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.....GATAGTGTGTGTGTGTAGAAAAAAAATATATG 117
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       168 CHTCHACAATGAG1G1CGAGGGGGGGCAAGAAAAGGAGHACGAGHAAAGAG1 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       268 AGCIGCTCCAAAIGCCGAAAAGAAAIGGGTCAGGIGGAGAICIGITGITG 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            101 SerCysSerigs/ysArgiysOluMetÓlydinValGlutieSerSerGy i17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 51 GCTGTTGGTGGGAATATAGGGGTGAGGGTTATTGGA.......
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APPLICANT: M.Feldmann, P.W. Gray,
APPLICANT: M.J.C. Turner, F.M Brennan
APPLICANT: M.J.C. Turner, F.M Brennan
H.EL. OF INVENTION: Modified human inhalpha (Tumor
H.EL. OF INVENTION: Necrosis Factor aspha) Recupitor
NUMHER OF SEQUENCES:
CORRESPONDENCE ALDRESS:
                                                                                                                                                                  Percent Similarity: 93.970 Percent Identily: 93.976
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เเร-กจ-525-9908-11 v บุร-กัฐ-050-319B-48
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Patent No. 5863786
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                                                   Quality: 1049.50
                                                                                                       5.612
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alignment_scores:
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218 offgagagedaerlocffloachachtagaaaachachtagachecere 267 | Hillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillittillit
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          118 CACCCTCAAANTAATTCGATTTTCCTCTTAFCAAGTGCFAAAAGAAAGGTA 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      168 CTTGTAMAATGAGTGTGTMAGGMAGGGGAGGGATAGGGAGTGGAGGGGT 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 ATGGGCCTCTCCACCTGCTCACCTGCTGCTGCCACTGGTGCTCCTGGA 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         34. euglyAspargelulysargAspSerValCysProThrGylysTyrile 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Identity: 93.970
                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPULER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARP: PatentIn Peleage #1.0, version #1.25
CURRING APPLICATION DATA:
APPLICATION NUMBER: US/OR/AKK,982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Align seq 1/1 to: US-08-465-982-48 from: 1 to: 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5150-0030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER - 185/08/08/0, $19
FILING DATE: 10-May-1993
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US = 0.9 - 525 - 998A - 11 \times US - 0.8 - 465 - 982 - 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 199 aming:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Robbins, Roberta L. REGISTRATION NUMBER: 33,208 REFERENCE/FOCKET NUMBER: 515 TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 617-8999
                                            635 Bryant Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 199 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLKCULE TYPE: protein
US-08-465-982-48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ratio: 5.612
Percent Similarity: 93.970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            alignment_scores:
Quality: 1049.50
                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
SIMPHI: 635 m.,
CIIY: Palo Alto
TYP: California
                                                                                                                                                                                                                                                  94301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILLING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               alignment_block:
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268 ACCIGCICCAAATGCCGAAAGGAAAIGGGICAGGTGGAGATCTCTTG 317

	ACTICITAMINAAGOTTIGAMIGGAMGAMITTIGGOCTAMOCCAMAIT 564 HILLHIHLHIHLHIHLHIHLHHIHLHHIHLHHIHLHHI	518 184
184		167
517	CTGCCATGCAGGTTCTTTCTAAGAGAAAACGAGTGTGTCTCCTGTAGTA 517	468
167	AsnGlyThrValHisLeuSerCysGlnGluLysGLnAsnThrValCysTh	151
467	418 AAIGGGAPCGFGPAPPIPPIPPIPGFAGAGAAAGAGAAGAPGFGFGFGFGFG 467	418
150		134
417	368 ATTATTGGAGAAAAACTTTTCGAGTGGTGGAATTGCAGCTTGTGCCTC 417	368
1 34	117 sThrValAspAtgAspThrValCysGlyCysAtglysAsmCinTyrArgH 134	=

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